



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Robert H. Grubbs et al.  
Serial No.: 09/891,144  
Filing Date: June 25, 2001

Docket No.: 20072-0278319  
Group Art Unit: 1621  
Examiner: Zucker, Paul A.

#9/13  
7/21/03  
Meeu

For: **SYNTHESIS OF FUNCTIONALIZED AND UNFUNCTIONALIZED  
OLEFINS VIA CROSS AND RING CLOSING METATHESIS**

OFFICE ACTION RESPONSE

MAIL STOP AMENDMENT - FEE  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

RECEIVED  
JUL 15 2003  
TECH CENTER 1600/2900

Dear Sir:

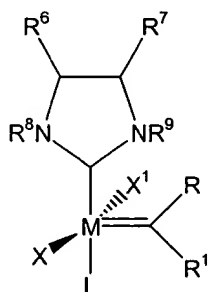
In response to the Office Action dated January 8, 2003, Applicants submit the following:

AMENDMENT

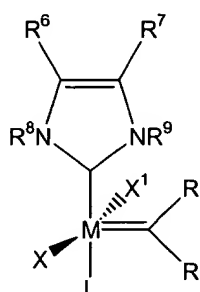
IN THE CLAIMS

Please enter the following amended claims:

- 1 1. (Currently amended) A method for preparing trisubstituted olefins comprising:  
2 contacting a geminal disubstituted olefin with a terminal olefin in the presence of a metal  
3 carbene metathesis catalyst to generate a trisubstituted olefin in an intermolecular olefin  
4 cross-metathesis reaction.
- 1 2. (Original) The method of Claim 1 wherein the catalyst is of the formula:



or



wherein: